

Fig. 1a

CAT ATG
M
TCC AAC GAA CTG CAC CAG GTT CCATCGAACTGTGACTGTCTAATGGAGGAACATGTGTG
S N E L H Q V P S N C D C L N G G T C V

130 140 150 160 170 180
| | | | | |
TCCAACAAGTACTTCTCCAACATTCACTGGTGCAACTGCCCAAAGAAATTCCGAGGGCAG
S N K Y F S N I H W C N C P K K F G G Q

190 200 210 220 230 240
| | | | | |
CACTGTGAAATAGATAAGTCAAAAACCTGCTATGAGGGGAATGGTCACTTTTACCGAGGA
H C E I D K S K T C Y E G N G H F Y R G

250 260 270 280 290 300
| | | | | |
AAGGCCAGCACTGACACCATGGGCCGGCCCTGCCTGCCCTGGAACCTGCCACTGTCCTT
K A S T D T M G R P C L P W N S A T V L

310 320 330 340 350 360
| | | | | |
CAGCAAACGTACCATGCCCACAGATCTGATGCTCTTCAGCTGGGCCTGGGGAAACATAAT
Q Q T Y H A H R S D A L Q L G L G K H N

370 380 390 400 410 420
| | | | | |
TACTGCAGGAACCCAGACAACCGGAGGCGACCCTGGTGCTATGTGCAGGTGGGCCTAAAG
Y C R N P D N R R R P W C Y V Q V G L K

430 440 450 460 470 480
| | | | | |
CTGCTTGTCCAAGAGTGCATGGTGCATGACTGCGCAGATGGAAAAAGCCCTCCTCTCCT
L L V Q E C M V H D C A D G K K P S S P

490 500 510 520 530 540
| | | | | |
CCAGAAGAATTAAAATTTCAGTGTGGCCAAAAGACTCTGAGGCCCCGCTTTAAGATTATT
P E E L K F Q C G Q K T L R P R F K I I

550 560 570 580 590 600
| | | | | |
GGGGGAGAATTCAACCACCATCGAGAACCAGCCCTGGTTTGCGGCCATCTACAGGAGGCAC
G G E F T T I E N Q P W F A A I Y R R H

610 620 630 640 650 660
| | | | | |
CGGGGGGGCTCTGTACCTACGTGTGTGAGGCAGCCTCATCAGCCCTTGCTGGGTGATC
R G G S V T Y V C G G S L I S P C W V I

670 680 690 700 710 720
| | | | | |
AGCGCCACACACTGCTTCATTGATTACCCAAAGAAGGAGGACTACATCGTCTACCTGGGT
S A T H C F I D Y P K K E D Y I V Y L G

Fig. 1b

730 740 750 760 770 780
CGCTCAAGGCTTAACTCCAACACGCAAGGGGAGATGAAGTTTGAGGTGGAACCTCATC
R S R L N S N T Q G E M K F E V E N L I

790 800 810 820 830 840
CTACACAAGGACTACAGCGCTGACACGCTTGCTCACCACAACGACATTGCCTTGCTGAAG
L H K D Y S A D T L A H H N D I A L L K

850 860 870 880 890 900
ATCCGTTCCAAGGAGGGCAGGTGTGCGCAGCCATCCCGGACTATACAGACCATCTGCCTG
I R S K E G R C A Q P S R T I Q T I C L

910 920 930 940 950 960
CCCTCGATGTATAACGATCCCCAGTTTGGCACAAGCTGTGAGATCACTGGCTTTGGAAAA
P S M Y N D P Q F G T S C E I T G F G K

970 980 990 1000 1010 1020
GAGAATTCTACCGACTATCTCTATCCGGAGCAGCTGAAAATGACTGTTGTGAAGCTGATT
E N S T D Y L Y P E Q L K M T V V K L I

1030 1040 1050 1060 1070 1080
TCCCACCGGGAGTGTGTCAGCAGCCCCACTACTACGGCTCTGAAGTCACCACCAAATGCTG
S H R E C Q Q P H Y Y G S E V T T K M L

1090 1100 1110 1120 1130 1140
TGTGCTGCTGACCCACAGTGGAAAACAGATTCTCTGCCAGGGAGACTCAGGGGGACCCCTC
C A A D P Q W K T D S C Q G D S G G P L

1150 1160 1170 1180 1190 1200
GTCTGTTCCCTCCAAGGCCGATGACTTTGACTGGAATTGTGAGCTGGGGCCGTGGATGT
V C S L Q G R M T L T G I V S W G R G C

1210 1220 1230 1240 1250 1260
GCCCTGAAGGACAAGCCAGGCGTCTACACGAGAGTCTCACACTTCTTACCCTGGATCCGC
A L K D K P G V Y T R V S H F L P W I R

1270 1280 1290 1300 1310 1320
AGTCACACCAAGGAAGAGAATGGCCTGGCCCTCTAA CTC GAG
S H T K E E N G L A L *

Fig. 2

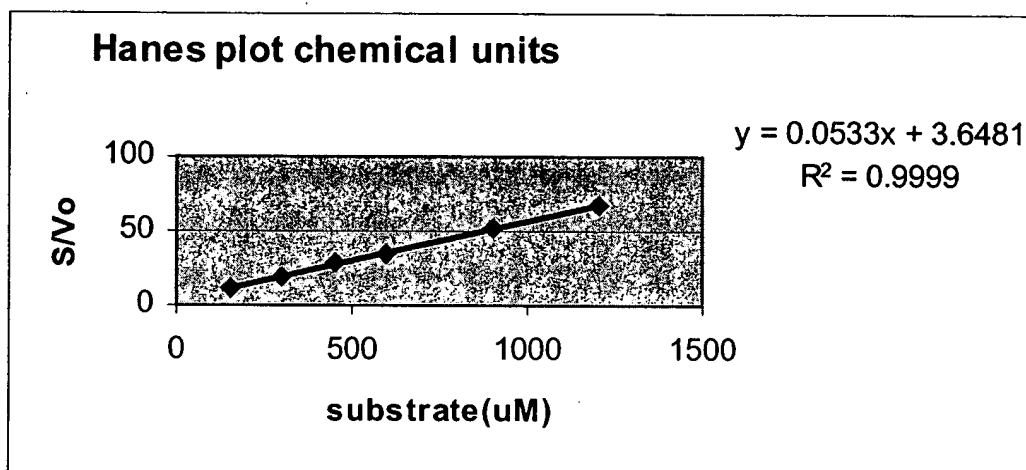


Fig. 3

atgagcaatgaactgcatcaggttccgagcaactgtgattgtctgaatgggtggcacc
M S N E L H Q V P S N C D C L N G G T
tgtgtgagcaacaaatacttcagcaacattcactgggtgcaactgcccgaataattcggt
C V S N K Y F S N I H W C N C P K K F G
ggccagcactgtgaaatcgataaaaagcaaaacctgctatgaaggcaatgggtcacttttac
G Q H C E I D K S K T C Y E G N G H F Y
cgcgcaaaagccagcaccgataccatgggccgtccgtgacctgccgtggaacagcgccacc
R G K A S T D T M G R P C C L P W N S A T
gttctgcagcagacctaccatgccaccgtagcgtgcgtgcagctgggacctgggtaaa
V L Q Q T Y H A H R S D A L Q L G L G K
cataattactgccgaaccccgataaacctgcgtcgtccgtgggtgctatgtgcaggtgggc
H N Y C R N P D N R R R P W C Y V Q V G
ctgaaaccgctgggttcaggaatgcattggtgcattgctgcgcggatggtaaaaaaccgagc
L K P L V Q E C M V H D C A D G K K P S
agcccccggaagaactgaaattccagtggtggccagaaaacctgctccgcgctttaaa
S P P E E L K F Q C G Q K T L R P R F K
attattggcggaattcaccaccatcgaaaaccagccgtgggttgcgccatctaccgt
I I G G E F T T I E N Q P W F A A I Y R
cgtcacctggtggcagcgttacctacgtgtgtggtggcagcctgatcagcccgctgtgg
R H R G G G S V T Y V C G G S L I S P C W
gtgatcagcgccaccactgcttcattgattaccgcgaaaaagaagattacatcgtttac
V I S A T H C F I D Y P K K E D Y I V Y
ctgggtgcgagccgtctgaacagcaacacccagggcgaaatgaaatttgaaagtggaaaac
L G R S R L N S N T Q G E M K F E V E N
ctgatcctgcacaaagattacagcgcgataacctggcgccaccacaacgatattgccctg
L I L H K D Y S A D T L A H H N D I A L
ctgaaaatccgtagcaagaaggccgttgtgctgcagccgagccgaccatccagaccatc
L K I R S K E G R C A Q P S R T I Q T I
tgccctgcgagcattgtataacgatccgcagtttggcaccagctgtgaaatcaccggcttt
C L P S M Y N D P Q F G T S C E I T G F
ggcaagaaaaatagcaccgattatctgtatccggaacagctgaaaatgacggttgtgaaa
G K E N S T D Y L Y P E Q L K M T V V K
ctgattagccaccgtgaatgtcagcagccgactactacggcagcgaagtgaccaccaa
L I S H R E C Q Q P H Y Y G S E V T T K
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M L C A A D P Q W K T D S C Q G D S G G
ccgctgggttgtagcctgcagtgccgcattgacctgacctgattgtgagctggggccgt
P L V C S L Q C R M T L T G I V S W G R
gggtgtgcctgaaagataaaacggcggtttacacccgtgttagccacttctgcccgtgg
G T C A L K D K P G V Y T R V S H F L P W
atccgcagccacaccaaagaagaaaatggcctggcactgtaa
I R S H T K E E N G L A L -